53 G. Crown no Tappington

Inaugural Difrestation Cynanche Trachealis commonly called Croup or Hires By John Tappington of Marylands

## Regarded March 15 1824

Inaugural Depetation,
for the Degrit of
Doctor of Medicines
Submitted to

The Examination

Trustees and Medical Professors

University of Pennsylvanias

on the 6 Day of Nove 1823

Resorts March 15 1804

Pretace Shave chosen for the subject of my Inaugural Dipertation Cynaniches The motives which led me to make this disease the subject of my Thesis wire because the prevailes much in the state of Hasford county Mary. land and my having had some opportunities of withefing its progues It would be more congenial to my inclinations to glide through the process of graduation without a thesis but as the laws, of the University require a dipertation from every candidate

for medical honors. I am compelled to submit this to the inspirition of the professions and hope that its being the production of a juvenile mind impelled

by neighbory and not led by chairs will applying in some measure for the imperfections



Inaugural Dipertation Nordogy perhaps does not furnish a disease which has received a greater variety of appellations than the one It is the Acute Asthma of Dr Miller; The Catarchus Suffocations of Elmulist The Morbus Strangulationius of Hau; I The Angina Polyposa of Michalis; 11 The suffocates striduld of go Home; s The Eynanche Tracherles of Dr Cullen IT V. \* Miller on Ashma and Hooping Cough + Elmaler # Stan Philos. Transactions N. 495 11 Mechalis de Angin Polyposa ive Membanace 8 Home on the Nature cause and cure of croup. I Gullens First lines Vill

From this variety of appellations, I have selected that of Cynanche Track. . ealis; not because I conceived it more proper than some of the others, but because the works of Di Cullen being in the hands of every one, the turn must be familiar to all. It appears to be a disease to which the yourser hall of the human dace is in a peculiar manner obnoxious : from the unequivocal instances, which It Chapman has Related of its occurrence in the adultist Land I see no reason why under partie. . ulas circumstances it may not appear in the adult subject I I can by no means subscribe to the opinions of those authors, who aport, that it only occurs within the first twelve years of life. \* Professor Chapmans M. 9 Lectur's

I shall knowever consider my self sufficienthe well supported by the concurring little I have observed myself, when I say it occurs tifly times in children, (or perhaps a much larger majority) where it does once in the adult. It is said to be much more frequent in its appearance during the spring and autumnal months. There is, however, no season of the year o situation, nor clim-- ate, that does not afford proofs of this disease. At the all situations afford# proofs of its existence, there is, in my opin. . ion, sufficiently reason to believe it is much more frequently found in those situations, which from there vicinity to marches, Rivers and others bodies of water, are cons-- tantly under the influence of cool,

mostoned almosphere. I know the disease takes places in a far greater humber of enstances in the less marche lands, called the Sect situated in that part of Mary land which lies between the Chesapeak Bay and seven, though in the upper lands, called the Farret.

It is found in a high degree Napacions of I be permitted the expansions of those children, who are he mature fund siched with despositions the most dively, with constitution the most what and with the with the most themest. It was the present it as a fact of the present in a fact of the present is as a fact from being exclusively confined to the proceed to the proceed children, that it is I had almost said a common disease in

families of all ranks. Some writers officen that the croup does not appear in children, while the are at the breastor XX XXIII explain sensors; but on the contrary we have the authority of It Chapman when describing this disease, in the foll-- owing words, viz "It is confind in most part from one to five years old , but Shave seen it in children, in the month and in old age, but this is pase & and Alex ander who has written an ingenious treatise on this disease says " children while at the heast, "are not unfrequently attached with it; and "I have known three or four instances in "which it has seized infants at the early "period of six months after birth" On the contagious nature of the Cynanche \* Orofepor Chapmans M.S Licturs + Alexander on Group page 13

Trachealis, I can say nothing from my own observation; it has been believed by some; doubled by others; and disbelieved by many. If its so it is very far from being unife of - ormly contagious; I can very easily conceins, that the operation of the same causes might produce it in an hundred differe ent instances, even within the limits of a small neighboushood. I do conceive it in many instances inflammatory even what are called Spasmodie, if continue long the mucus membrane becomes inflamed De As the Inflammitory and Thasmodic Croup require the same treatment or nearly son I shall content myself with discribing the disease and The method of curs

Tymptoms

In the generality of cases, of the Cynanche Trachealis is ushered in with the usual phanomina of fiver; such as slight shiver ings, attended with heat, languor, and other symptoms, indicating the presence of a febrile state of the system; a slight degree of hearsenop follows, accompanied with a dry cough, unattended for the most part with expectnation; and the whole hears a resimblance to a common cold as to be almost universally mistaken for one. Thus this disease advances; the tongue becomes white; appetite is tost; resperation and Julie much quicker; There is com-- monly a degree of sources complained of about the largue, but very seldem attended with swelling; distution is searcely at all affected; much Restleness and anxiety prevails

explient semetimes appear on different parts of the body, once is shall and sharps the fact becomes fushed and there is in before the muscles of the abdominant the muscles of the abdominant the muscles of the patient, of the patient, of the furnitions, this decrease as being specience in self-out that does not say it was contagined.

Physicians have carelled not a till concerning the inflammatery mature of the tognanche bracked is some consisting disease it as a well marked inflammatery disease white their ries it as entiry unconsisted with some a common simplifies of inflammation.

\* Breshaave

Thutty! Chamological History on the weather

B' huch the barned and ingenious tate suffer of the institutes of Medicine 22 whose authority tows at all times of the most suffering them most suffering the Majorous state of the Angenous state of the Angenous state of the Much has been said against being an inflammating disease because differing to seld on diseases any marks of inflammation

There are knowed depection on seend to prove that information was found to the word on depection, it would not prove the contrary for I can concine that the repeter may be so far believed by an offension that not even the vertige of such a hust inguir and down the vertige of such themselves in complete the sound on complete that the things in complete the things of the things in complete the things in the contract of the things in the contract of t

a state shall be found : Now we know very well children, seldom die of this disease; until the repelo have in some instances nearly and in others enterely relieved Thomselves by effusion of course are opened only in this setuation. such is the general rise progress and teamina ation of the Cynanche Trachealis though it sometimes attacks with all the suddennes of an apoplectic paroxyom and this most generally while under the pleasing influence of repeating sleep This disease runs its course in different periods of time; it often destroys the patient in twenty four hours from the attack; more prequently it terminates in two, three, and four days; and some authors says much longer time. The immediate cause of these grievous

symptoms, dipections have proven to be in the tracker, and extend into its most minute ramifications. Many differents opinions are held respice ting the nature of the pretunatural me-Imbiane, found lining the interior of the tracker; for while some consider it as inspipated Mucus, Thers contind that it is coagulable lymph; t It is a point of controversy, in which I feel myself wholly unprepared to decide. tout I can conceive that it may at one time be inspipated mucus, and at another coagulable lymph. We have analogues in favour of each, in different parts of the system, under certain circumstances. \* Homes Inquery de + Alex ander or croup

Diagnosis

This disease of much resembles a common cold in its commencement, that
it has almost uniformily been mustake
for one, It may however, he paislingue,
had from a cold, by being most gound,
weatheneded with onesying, and diffusions
from the eyes and mon, and by the
coup being accompanied with a peculiar
sometime being accompanied with a feculiar
sometime being accompanied with a second
the sometime in the tracking inspiration has
been compared to the creating mise mide
by a groupy han & to the certain mise occupy

And to the lacking or a the cercing of a canon to the lacking of a little day on First a Medical and the from the thought a Mayoung to the med Inquery or

I Rush! ingr and observation (b)

Replacation is wind withy much worse by projections, this is most probably owing to the invitation of the hymphatic, increase taken or layer of membraness broking substance forming in the tracken exciting the muscles, of the glothes into a sparmodic action which dominishing the pleasured by replication more laborious and after interest of the softeness, which independently thus this thirty distripling disease proceeds in its carrer, and is accorded by a train of symphomo, which only aske to the well founded alarm of parents and allendants.

The touristenance, in some instance, become palled, in others a full and lived hues owing to the returning blood being doubt a free papage through the longs in

all francisco al of any of facility

consequence of an almost totally obstructed respiration. The patient becomes drowse, but is prevented deeping from the vident exertions; of the resperatory organs; the system becomes exhausted; the pulse languid and tremulous; coughing can no longer be effected; the eyes are one spread with a glain appearance; convuls sions prequently come on, and the un-- happy sufferer expires under all the appearance of strangulation prop of Smile sharp vore to de parances und doot is removed. It cannot be mustaking for dooping Cough the latter is attended with parox= - yours very evidout and violent and during The intermissions is not attended with The steridulous resperation of the Hives A view of the internal Janees will readily

satisfy the most superficie observer that it is neither bynanche Imellacis nor Maligna they are accompanied with much pain and difficulty of evaluating from the inflamed and tunied state of the towers and are not attended with the crospy inspiration

Memote Caused

Three are all such as endure distribus
eather directly, or indicially.

Among those which art describly, are
I books. Gold explaintly when combined
with most ture, I believe to be by far
the most present remote cause of the
Cymanche Trachealis house we pake it
more prequently securing in these titue
attens, and seasons which afford a
cold, damp atmosphere.

With the general debilitating effects of cold, it has a particular lacat action in the trackers.

2 Preciding diseases, as small Doy, Mag, lis, catarable affections, and Hopking cough, the all pardues a delity, that diseases much to bymanche Teacherie.

The causes, by acting directly, may predispose to this disease; but they have been mentioned are much the most

Those cause which are indirectly in predisposing to the disease, are,

2 Fatigue, whether indered by bodily experience or exception crying facilities on the system to an attack of this disease crying act both generally and lacally.

Me predisposing bases of the descarges will as all other febrile descares, as ply ittentialed by Ir Meship is Selither.

The execting causes are stimule of all thinse, as

1 Heat. Heat, succeeding cold, I believe to be much the most frequent exciting cause of the Cognanche Machealis.

2 Sentition may very properly be mentioned here.

3 A saline Almosphere, whom this disease occurs near the sea crast, is mentioned by It Home, as a Cauce. I In fact, any thing which will excite

\* Rush & works

+ Homes inquery 90 page 40

the system into action may, with prepriety, be ranked under the his head y executions causes

Proximate Cause.

Parious, indeed, have been the sentiments
of authors, respecting the proximate
cause of Cynanche Trachealis.

I can consider the proximate causes
and disease, than as different terms
expressed in the end of the same thing;
can we then suppose that Cynanche.
Trachealist to consist in an increased
secretion, or in a membrane formed in
the time, or in a membrane formed to
the time, there will, certainly, appeare
to be no more than more effects of the
disease, or, in other words, of the
proximate cause.

Them what share said, and as I have given a description of the description of the description of the description to give any proprimate cause: I certainly think it unmoups apply the tis so customary, I father myself, the will with me bown the proximate course as accompanied with inequal or convolution of action in the inequal of the making that action in the inequal system that action in the inequal of the tracker, and its herecher land is called

## Prognosis

There is perhaps In way in which Physicaans have more prequently exposed them--selves to the contempt and reducule of the world, than in the pregnosis of a diseases. They should avoid deciding positively, as to the event of any disease.



"In it is impossible" say I Aush " in a cute discoses, to tell where life ands, and whose death begins. Hundreds of patients have recovered, who have been pronounced incurable, to the great disgrace of the profession"x more danger is always to be appreh -- ended, when this disease attacks sud dently and violently. The greater the fiver, and the more difficult the respiration, the more hazardous are we to esteem the event should the reverse of these seems, with a cough altended with expectoration, especially should they take place after the use of the remedies to be here after recommo ended; we may give encouragement on good grounds. \* Mush! ing. and Observ. Not 1

I should always be backward in pernauacing an unfacould prograntin, wally symptoms of the mose extreme danger appeared; such as quick short, and difficult respection, included to seedles a week, turnelms pulse feinting coloning the extremities, and convulse seens 940.

In preceding to the made of treating to you indications will naturally be - 1 To moderate and remove the power. 2 To remove the power.

2. To remove the preternatural membrane or mucus in the tracker and the sparm. 3 To present a returne of the disease. The movement the pirt indication, the most effectual remembers,

1 Blood - letting both general and topical

has often given imme deate relief. All authors concur in the propriety of using the Lancet; and have I cannot but regret the mistakes parents have been led into , by considering this disease as nothing more than a common cold; they delay taking the advice of a Physician until The disease has increased in violence, and relieved itself, to a considerable degree, by a discharge, which, in a great measures blocks up the very papage Through which life is carried on. It should be used in the earliest stage of the disease; the preguency of its repetition, and The quantity of blood to be drawn, must, at all times, be teft to the discretion of the Physicions, All he will have to do will be , to attend

to the pulse, and state of the system; These done, it will be impossible for him to en. 2. To Answer . The second indication, an Contic composed of Tartarized Anti-- mony, Thecacuanha, and Calomel, are one of the best remedies; it has often aured the disease, when given in the forming stage, especify whate it is asisted with the walm bath, my Farther " says he has never knownit to fail of producing relief especially if the balomet, be given in large enough doses, as to produce active purging, and has raily found it useful to use any other remedy except a repitation of

calonie, is keep the broads open. Blisters have been warmly recommended in croup, the remedies already here done, it will be conditioned to

laid down well be sufficient diving the first stage of the disease, The only time Misters are of service is in The latter stage of the disease. To answer the third indication is, to prevent a return of the disease. If the patient be much reduced by the length a violence of the diseases a decoction, or vinous infusion, y Penurian Bask; with a generous diet may be allowed; and the patient should be removed into a dry pleasant atmospheres With this then, I finesh my Inaugure al Dipertation, but before I close it entirely, I beg you, Illustrious Professors, who have so eminently distinguished your solves in teaching the seience of medicine, in its different extensive

hanches, and from whom I hope I shall receive the highest honors of the perfect my best wishes for your happiness, and be assured that for the many instance of pieces who have on many eccasions shown me, I shall ever retain a heart fell remembrance.